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(71) Applicant (for all designated States except US): JLG INDUSTRIES, INC. [US/US]; 1 JLG Drive, McConnellsburg, PA 17233-9533 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PUSZKIEWICZ, Ignacy [PL/US]; 104 Rachel's Court, Smithsburg, MD 21783 (US). KOBEL, Korry, D. [US/US]; 638 Windy Ridge Ln SE, Atlanta, GA 30339 (US). SMITH, Daniel, Allen [US/US]; 110 North 3rd St. Apt. D, McConnellsburg, PA 17233 (US). HAUGHT, Christopher, A. [US/US]; 181 Woodland Drive, McConnellsburg, PA 17233 (US). WYANT, Todd, Bradley [US/US]; 7026 Cito Road, McConnellsburg, PA 17233 (US).

(74) Agent: KAGEN, Alan, M.; Nixon & Vanderhye P.C., 901 North Glebe Road, 11th Floor, Arlington, VA 22203-1808 (US).

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(54) Title: ATTACHMENT FOR A TELESCOPIC MATERIAL HANDLER FOR MANIPULATING A LOAD WITH FIVE DEGREES OF FREEDOM

(57) Abstract: An attachment for a telescopic material handler supplies five degrees of freedom (DOF) for the task of picking, manipulating and aiding in the installation of vertical and horizontal wall cladding and other construction materials. The cladding can be of a size up to 1.3 x 8.0 m and a mass of 350 Kg. The control and positioning of the load is accomplished through standard operation of the telehandler in conjunction with wireless control of the five DOF of the device. Hydraulic power for the device functions may be supplied through the telehandler auxiliary circuit. The auxiliary flow also powers a hydraulic generator, which supplies the device with electrical power for both system logic and control and vacuum generation. The cladding panels are handled by the vacuum system.

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